

Table S4. The three-way analyses of variance of ECR/non-ECR differences

Effect	No of probesets at p < 0.001	No of probesets at FDR < 10%
<i>A. Radiation exposure-related differences in the context of the patient age at PTC diagnosis</i>		
Exposure to Chernobyl-related radiation	347	781
Age <16/>16 years	20	0
Interaction Exposure:Age	14	0
<i>B. Radiation exposure-related profile in the context of the known molecular factors relevant for PTC</i>		
Exposure to Chernobyl-related radiation	485	1531
<i>RET</i> rearrangement	71	13
Interaction Exposure: <i>RET</i>	4	0
Exposure to Chernobyl-related radiation	209	32
<i>BRAF</i> mutation	443	794
Interaction Exposure: <i>BRAF</i>	11	0
<i>C. Interaction between the effect of radiation exposure and the pathological PTC variant</i>		
Exposure to Chernobyl-related radiation	279	376
Pathology Classical+follicular/Solid component	151	66
Interaction Exposure:Pathology	5	0